UID Registry XML with Embedded, Custody, and Marking

Data Element	Format	Max Size	Definition
UidDocument (1)			
LegacyOrNewCode (1)	Text	6	"LEGACY" if the items reported are legacy items; this includes GFP. "NEW" if the items reported are new procurement.
Version (1)	Text	6	Contains the UID Element Schema Version Number used to produce the XML transaction. Always "3.0"
Contact (0..1)			**To be used when data is sent directly to the UID Registry from an Enterprise.**
Email (0..1)	Text	60	Email address of the person or office listed in Name.
Name (1)	Text	120	Person or office who would be contacted if there are technical issues associated with the XML transaction.
Organization (1)	Text	9	The 5 digit CAGE, 6 digit DoDAAC, or 9 digit DUNS of the organization providing the XML document.
Phone (1)	Text	25	Phone number of the person or office listed in Name.
AddItem (0..1)			**Used to record items that are not in the UID Registry. It is assumed that all GFP being returned by Contractors is in the UID Registry and should be reported using the Update Item section.**
NewEmbedded (0..∞)			**A marked item that is embedded within another marked item.**
ParentUID (1)	Text	78	The UID of the item that contains the embedded item.
EmbeddedInfo (1..∞)			
Description (1..∞)	Text	250	Description of the embedded item.
EmbeddedList (1..∞)			
BatchLot (0..1)	Text	20	The batch/lot identification of the embedded item if applicable. Required if UID Type is UID2 and the Lot/Batch was used within the UID.
CurrentPartNumber (0..1)	Text	32	Used only if the item's current part number is different from the Original Part Number. Must be provided if Current Part Number Effective Date is provided.
CurrentPartNumberEffectiveDate (0..1)	CCYY-MM-DD	10	The date the item was modified or changed to the current part number from a previous part number. Must be provided if Current Part Number is provided.
EnterpriseIdentifier (0..1)	Text	13	Code identifying the Enterprise that assigned the embedded item with the UID data elements. If UID Type is UID1 or UID2, this is the same Enterprise IdeNtifier that was used in the construct. Required if UID Type is UID1 or UID2.

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Data Element	Format	Max Size	Definition
IssuingAgencyCode (0..1)	Text	3	Designator to indicate which code was used in the Enterprise Identifier. Required if UID Type is UID1 or UID2. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
ManufacturerCode (0..1)	Text	3	Designator to indicate which code was used in the Manufacturer Identifier. Required if Manufacturer Identifier is provided. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
ManufacturerIdentifier (0..1)	Text	13	Code identifying the Manufacturer that produced the item if different from the Enterprise Identifier.
OriginalPartNumber (0..1)	Text	32	The Enterprise assigned Part Number corresponding to the assigned UID. Required if UID Type is UID2 and the Part Number was used within the UID.
SerialNumber (0..1)	Text	30	The Enterprise assigned Serial Number corresponding to the assigned UID. The serial number may be within the Enterprise or within the Original Part Number. Required if UID Type is UID1 or UID2.
Uid (1)	Text	78	The Unique Identifier that ensures uniqueness of all items that are listed in the registry.

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Data Element	Format	Max Size	Definition
UidType (1)	Text	10	Designator to indicate which method has been used to uniquely identify an embedded item. Values: UID1 - UID Construct 1 UID2 - UID Construct 2 VIN - Vehicle Identification Number GRAI - Global Returnable Asset Identifier GIAI - Global Individual Asset Identifier ESN - Electronic Serial Number OTHER - For UIDs without an assigned UID Type

Mark (1..∞)			**Description of the physical markings on the embedded item as well as how the Unique Item Identifier (UII) is associated with the item.**
			
			- Must have at least one occurrence for the UII:
			  a) If the UII is marked physically, may have one or more Mark Loops whose Contents is 'UII' but none may have a Medium Code of 'DEFINED'.
			  b) If the Contents is 'UII' and the Medium Code is 'DEFINED', can have only one Mark Loop whose Contents is 'UII'.
			  c) If the UII's Medium Code is 'DEFINED', must have at least one other physical mark recorded whose Contents is not 'UII'.
			
			- May have other Mark Loop occurrances to report additonal physical markings as desired or required.
			
			NOTE: The Item is not compliant with UID policy until the UII is marked with a 2D Data Matrix in accordance with the DoD policy and ISO/IEC 15434.

BaggedOrTaggedCode (1)	Text	1	"Y" if mark applied according to the Bag and Tag Business Rules else "N".
Contents (1)	Text	25	What has been recorded on or with the item such as "UID", "Serial Number", "Internal Number", etc. For UII, must contain "UID". All non-UII markings must be marked physically.
EffectiveDate (1)	CCYY-MM-DD	10	The date the mark was associated with the item: - The date the UII was defined for the item but not physically attached (Medium Code contains 'DEFINED'). - The date the mark, UII or otherwise, was marked physically.
AddedOrRemovedCode (0..1)	Text	1	A' Mark is added to the item

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Data Element	Format	Max Size	Definition
MarkerCode (1)	Text	3	Designator to indicate which code was used in the Marker Identifier. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
MarkerIdentifier (1)	Text	13	Code identifying the Entity that placed the mark on or associated the mark with the item.
MediumCode (1)	Text	25	The method used to associate the mark identified in Contents with the item. The codes provide information on what is needed to read the mark. The available codes are: "2D COMPLIANT" "NONCOMPLIANT DATA MATRIX" "HUMAN READABLE" "CMB" "PDF417" "BARCODE" "RFID" - If the UII is by association only, not physically marked, use "DEFINED". "DEFINED" can only be used when the Contents contains "UID". - When the UII is physically marked with a 2D Data Matrix in accordance with DoD policy, ISO/IEC 15434, use "2D COMPLIANT".
Value (0..1)	Text	256	The string representation of the physical mark. Not required when the content is a UII.
EndProduct (0..∞)			**A marked item that is not embedded within another marked item (and is not in the UID Registry).**
ContractNumber (0..1)	Text	25	Contract number under which the items were procured. This is a unique identifier for the contract, purchase order, BOA, Basic Agreement, or BPA and includes the delivery order, task order, and call number as appropriate. Required from Vendors for new procurement; not required when reporting legacy items.

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Data Element	Format	Max Size	Definition
PrimeContractorIdentifier (0..1)	Text	9	The 9 digit DUNS or 5 digit CAGE of the contractor that is responsible for reporting all UIDs of the delivered end item to the Government. Required from Vendors for new procurement; not required when reporting legacy items.
ContractInfo (1..∞)			
AcceptanceCode (0..1)	Text	6	DoDAAC of the Government entity that accepted the item. Required from Vendors for new procurement; not required when reporting legacy items.
AcceptanceDate (0..1)	CCYY-MM-DD	10	The date that the item is accepted. Required from Vendors for new procurement; not required when reporting legacy items.
AcquisitionCost (0..1)	Floating Decimal	18	Unit Price as defined in the contract or as defined at delivery by the contractor. Required from Vendors for new procurement; not required when reporting legacy items.
ClinSlinElin (0..1)	Text	8	The purchase contract line item. Required from Vendors for new procurement; not required when reporting legacy items.
Description (1..∞)	Text	250	Description of the item.
ForeignCurrencyCode (0..1)	Text	3	International Organization of Standardization code from ISO 4217 representing the currency unit of Acquisition Cost. Required from Vendors for new procurement; not required when reporting legacy items.
ShipToCode (0..1)	Text	20	DODAAC or other code representing the location the item was shipped to. Required from Vendors for new procurement; not required when reporting legacy items.
UnitOfMeasure (0..1)	Text	2	Unit of Measure associated with the Acquisition Cost of the item. Required from Vendors for new procurement; not required when reporting legacy items. - For list of codes, see ASC X12 Standards Element 355.
UidList (1..∞)			
BatchLot (0..1)	Text	20	The batch/lot identification of the item if applicable. Required if UID Type is UID2 and the batch/lot was used within the UID.
CurrentPartNumber (0..1)	Text	32	Used only if the item's current part number is different from the Original Part Number. Must be provided if Current Part Number Effective Date is provided.
CurrentPartNumberEffectiveDate (0..1)	CCYY-MM-DD	10	The date the item was modified or changed to the current part number from a previous part number. Must be provided if Current Part Number is provided.

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Data Element	Format	Max Size	Definition
EnterpriseIdentifier (0..1)	Text	13	Code identifying the Enterprise that assigned the embedded item with the UID data elements. If UID Type is UID1 or UID2, this is the same Enterprise IdeNtifier that was used in the construct. Required if UID Type is UID1 or UID2.
IssuingAgencyCode (0..1)	Text	3	Designator to indicate which code was used in the Enterprise Identifier. Required if UID Type is UID1 or UID2. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
ManufacturerCode (0..1)	Text	3	Designator to indicate which code was used in the Manufacturer Identifier. Required if Manufacturer Identifier is provided. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
ManufacturerIdentifier (0..1)	Text	13	Code identifying the Manufacturer that produced the item if different from the Enterprise Identifier.
OriginalPartNumber (0..1)	Text	32	The Enterprise assigned Part Number corresponding to the assigned UID. Required if UID Type is UID2 and the Part Number was used within the UID.
SerialNumber (0..1)	Text	30	The Enterprise assigned Serial Number corresponding to the assigned UID. The serial number may be within the Enterprise or within the Original Part Number. Required if UID Type is UID1 or UID2.
Uid (1)	Text	78	The Unique Identifier that ensures uniqueness of items that are listed in the registry.

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Data Element	Format	Max Size	Definition
UidType (1)	Text	10	Designator to indicate which method has been used to uniquely identify a part. Values: UID1 - UID Construct 1 UID2 - UID Construct 2 VIN - Vehicle Identification Number GRAI - Global Returnable Asset Identifier GIAI - Global Individual Asset Identifier ESN - Electronic Serial Number OTHER - For UIDs without an assigned UID Type
Custody (0..1)			**Use to record an item's custodian as well as its GFP status and the contract under which the item is held as GFP.**
CAGE (0..1)	Text	5	The 5 digit CAGE Code of the Prime Contractor specified in the contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
CategoryCode (0..1)	Text	1	Used when recording change in custody of GFP. Must be one of the following codes: "E" - Equipment: A tangible article of personal property that is complete in-and-of itself, durable, nonexpendable, and needed for the performance of a contract. Equipment generally has an expected service life of one year or more, and does not ordinarily lose its identity or become a component part of another article when put into use. "M" - Material: Property that may be consumed or expended during the performance of a contract, component parts of a higher assembly, or items that lose their individual identity through incorporation into an end-item. Material does not include Equipment, Special Tooling, Special Test Equipment, or Unique Federal Property.
ContractNumber (1)	Text	25	This is the contract under which the item is currently designated as GFP.
DODAAC (0..1)	Text	6	The 6 digit DoDAAC of the Prime Contractor specified in the contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
DUNS (0..1)	Integer	9	The 9 digit DUNS Code of the Prime Contractor specified in the contract. At least one of CAGE, DoDAAC, and DUNS must be reported.

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Data Element	Format	Max Size	Definition
ReceivedDate (0..1)	CCYY-MM-DD	10	The date the item is received by the Contractor.
SentDate (0..1)	CCYY-MM-DD	10	The date the item is sent to the Contractor.
StatusCode (1)	Text	1	"K" For Government Furnished Property

Mark (1..∞)			**Description of the physical markings on the embedded item as well as how the Unique Item Identifier (UII) is associated with the item.**
			
			- Must have at least one occurrence for the UII:
			  a) If the UII is marked physically, may have one or more Mark Loops whose Contents is 'UII' but none may have a Medium Code of 'DEFINED'.
			  b) If the Contents is 'UII' and the Medium Code is 'DEFINED', can have only one Mark Loop whose Contents is 'UII'.
			  c) If the UII's Medium Code is 'DEFINED', must have at least one other physical mark recorded whose Contents is not 'UII'.
			
			- May have other Mark Loop occurrances to report additonal physical markings as desired or required.
			
			NOTE: The Item is not compliant with UID policy until the UII is marked with a 2D Data Matrix in accordance with the DoD policy and ISO/IEC 15434.

BaggedOrTaggedCode (1)	Text	1	"Y" if mark applied according to the Bag and Tag Business Rules else "N".
Contents (1)	Text	25	What has been recorded on or with the item such as "UID", "Serial Number", "Internal Number", etc. For UII, must contain "UID". All non-UII markings must be marked physically.
EffectiveDate (1)	CCYY-MM-DD	10	The date the mark was associated with the item: - The date the UII was defined for the item but not physically attached (Medium Code contains 'DEFINED'). - The date the mark, UII or otherwise, was marked physically.
AddedOrRemovedCode(0..1)	Text	1	A' Mark is added to the item

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Data Element	Format	Max Size	Definition
MarkerCode (1)	Text	3	Designator to indicate which code was used in the Marker Identifier. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
MarkerIdentifier (1)	Text	13	Code identifying the Entity that placed the mark on or associated the mark with the item.
MediumCode (1)	Text	25	The method used to associate the mark identified in Contents with the item. The codes provide information on what is needed to read the mark. The available codes are: "2D COMPLIANT" "NONCOMPLIANT DATA MATRIX" "HUMAN READABLE" "CMB" "PDF417" "BARCODE" "RFID" - If the UII is by association only, not physically marked, use "DEFINED". "DEFINED" can only be used when the Contents contains "UID". - When the UII is physically marked with a 2D Data Matrix in accordance with DoD policy, ISO/IEC 15434, use "2D COMPLIANT".
Value (0..1)	Text	256	The string representation of the physical mark. Not required when the content is a UII.
UpdateItem (0..∞)			**Use to update the information about an item, embedded or not, that is in the UID Registry.**
CurrentAcquisitionValue (0..1)	Floating Decimal	18	The cost incurred by the DoD when a part number changes. Must be provided if Current Part Number is provided. Provide only when Current Part Number is provided.
CurrentForeignCurrencyCode (0..1)	Text	3	International Organization of Standardization code from ISO 4217 representing the currency unit of Current Acquisition Value. Provide only when Current Acquisiton Value is provided. Required when Current Acquisiton Value is provided.

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Data Element	Format	Max Size	Definition
CurrentPartNumber (0..1)	Text	32	Used only if the item's current part number has changed since the last reported part number (may have been reported in Current Part Number or Original Part Number). Must be provided if Current Part Number Effective Date or Current Acquisiton Value is provided.
CurrentPartNumberEffectiveDate (0..1)	CCYY-MM-DD	10	The date the item was modified or changed to the current part number from a previous part number. Must be provided if Current Part Number is provided.
Uid (1)	Text	78	The UID of the item whose information is being updated.
Custody (0..1)			**Use to record a change in an item's custodian, GFP status, or a change in the contract under which the item is held as GFP.**
CAGE (0..1)	Text	5	The 5 digit CAGE Code of the Prime Contractor specified in the contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
CategoryCode (0..1)	Text	1	Used when recording change in custody of GFP. Must be one of the following codes: "E" - Equipment: A tangible article of personal property that is complete in-and-of itself, durable, nonexpendable, and needed for the performance of a contract. Equipment generally has an expected service life of one year or more, and does not ordinarily lose its identity or become a component part of another article when put into use. "M" - Material: Property that may be consumed or expended during the performance of a contract, component parts of a higher assembly, or items that lose their individual identity through incorporation into an end-item. Material does not include Equipment, Special Tooling, Special Test Equipment, or Unique Federal Property.
ContractNumber (1)	Text	25	This is the contract under which the item is designated as GFP. If the item was associated with one contract as GFP and the association is being changed directly to another contract, this would contain the second contract's number.
DODAAC (0..1)	Text	6	The 6 digit DoDAAC of the Prime Contractor specified in the contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
DUNS (0..1)	Integer	9	The 9 digit DUNS Code of the Prime Contractor specified in the contract. At least one of CAGE, DoDAAC, and DUNS must be reported.

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Data Element	Format	Max Size	Definition
ReceivedDate (0..1)	CCYY-MM-DD	10	The date the item is received by the Governement or by the Contractor.
SentDate (0..1)	CCYY-MM-DD	10	The date the item is sent to the Government or to the Contractor.
StatusCode (1)	Text	1	"K" Item is Government Furnished Property being delivered to the custody of a contractor. 'G' Item is Government Furnished Property being delivered to the custody of the government
Mark (0..∞)			**Description of the physical markings on the item as well as how the Unique Item Identifier (UII) is associated with the item. Only used if a mark has been modified, deleted, or added.** **There must always be at least one UII mark recorded in the registry.** **If a non-UII mark is being removed and the UII's Medium Code is 'DEFINED', there must be at least one other non-UII mark already in the Registry or being added.** **NOTE: The Item is not compliant with UID policy until the UII is marked with a 2D Data Matrix in accordance with the DoD policy and ISO/IEC 15434.**
BaggedOrTaggedCode (1)	Text	1	"Y" if mark applied according to the Bag and Tag business rule else "N".
Contents (1)	Text	25	What has been recorded on or with the item such as "UID", "Serial Number", "Internal Number", etc. For UII, must contain "UID". All non-UII markings must be physically marked on the item.
EffectiveDate (1)	CCYY-MM-DD	10	The date the mark was added, removed or modifed.
AddedOrRemovedCode (0..1)	Text	1	A' Mark is added to the item 'R' Mark is removed from the item. 'C' The UII mark's Medium Code is being changed from 'DEFINED' to a physical medium.

Data Element	Format	Max Size	Definition
MarkerCode (1)	Text	3	Designator to indicate which code was used in the Marker Identifier. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
MarkerIdentifier (1)	Text	13	Code identifying the Entity that placed the mark on or associated the mark with the item.
MediumCode (1)	Text	25	The method used to associate the mark identified in Contents with the item. The codes provide information on what is needed to read the mark. The available codes are: "2D COMPLIANT" "NONCOMPLIANT DATA MATRIX" "HUMAN READABLE" "CMB" "PDF417" "BARCODE" "RFID" - If the UII is by association only, not physically marked, use "DEFINED". "DEFINED" can only be used when the Contents contains "UID". - When the UII is physically marked with a 2D Data Matrix in accordance with DoD policy, ISO/IEC 15434, use "2D COMPLIANT".
Value (0..1)	Text	256	The string representation of the physical mark. Not required when the content is a UII.
UpdateEmbedded (0..2)			**Use to record parent information if the item is being embedded into another item or has been removed from an item and returned to DoD as an end item.** **When an item is removed from one item and then embedded into another item, provide two loops - one to record the removal and one to record the add.**
AddedOrRemovedCode (1)	Text	1	"A" If being added to an item. "R" if being removed from an item.
EffectiveDate (1)	CCYY-MM-DD	10	The date the item was embedded into another item or removed from an item.

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Data Element	Format	Max Size	Definition
ParentUID (0..1)	Text	78	The UID of the item into which the item was embedded. Not required when an item is being removed from another item.